

## PCT REQUEST

Original (for SUBMISSION )

<b>0</b>	<b>For receiving Office use only</b>	
<b>0-1</b>	International Application No.	
<b>0-2</b>	International Filing Date	
<b>0-3</b>	Name of receiving Office and "PCT International Application"	
<b>0-4</b>	<b>Form PCT/RO/101 PCT Request</b>	
<b>0-4-1</b>	Prepared Using	PCT-SAFE [EASY model] Version 3.50 (Build 0002.162)
<b>0-5</b>	<b>Petition</b> The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty	
<b>0-6</b>	<b>Receiving Office (specified by the applicant)</b>	Japan Patent Office (RO/JP)
<b>0-7</b>	<b>Applicant's or agent's file reference</b>	F04-015PCT
<b>I</b>	<b>Title of Invention</b>	CONTROL OF ICE-CRYSTAL GROWTH BY NON-PROTEINACEOUS SUBSTANCE
<b>II</b>	<b>Applicant</b>	
<b>II-1</b>	This person is	applicant only
<b>II-2</b>	Applicant for	all designated States except US
<b>II-4</b>	Name	NIPPON SHOKUBAI CO., LTD.
<b>II-5</b>	Address	1-1, Koraibashi 4-chome, Chuo-ku, Osaka-shi, Osaka 5300005 Japan
<b>II-6</b>	State of nationality	JP
<b>II-7</b>	State of residence	JP
<b>III-1</b>	<b>Applicant and/or Inventor</b>	
<b>III-1-1</b>	This person is	applicant and inventor
<b>III-1-2</b>	Applicant for	US only
<b>III-1-4</b>	Name (LAST, First)	OBATA, Hitoshi
<b>III-1-5</b>	Address	3-5, Mukonosono 6-chome, Amagasaki-shi, Hyogo 6610035 Japan
<b>III-1-6</b>	State of nationality	JP
<b>III-1-7</b>	State of residence	JP

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<b>III-2</b>	<b>Applicant and/or inventor</b>	
III-2-1	This person is	applicant and inventor
III-2-2	Applicant for	US only
III-2-4	Name (LAST, First)	KAWAHARA, Hidehisa
III-2-5	Address	11-34, Nagaomotomachi 7-chome, Hirakata-shi, Osaka 5730163 Japan
III-2-6	State of nationality	JP
III-2-7	State of residence	JP
<b>III-3</b>	<b>Applicant and/or inventor</b>	
III-3-1	This person is	applicant and inventor
III-3-2	Applicant for	US only
III-3-4	Name (LAST, First)	TOMITA, Takashi
III-3-5	Address	2-23, Uenohigashi 1-chome, Toyonaka-shi, Osaka 5600013 Japan
III-3-6	State of nationality	JP
III-3-7	State of residence	JP
<b>IV-1</b>	<b>Agent or common representative; or address for correspondence</b>	
	The person identified below is hereby/ has been appointed to act on behalf of the applicant(s) before the competent International Authorities as:	agent
IV-1-1	Name (LAST, First)	UEKI, Kyuichi
IV-1-2	Address	Fujita-Toyobo Building 9th Floor, 1-16, Dojima 2-chome, Kita-ku, Osaka-shi, Osaka 5300003 Japan
IV-1-3	Telephone No.	0663413431
IV-1-4	Facsimile No.	0663416131
<b>IV-2</b>	<b>Additional agent(s)</b>	additional agent(s) with same address as first named agent
IV-2-1	Name(s)	SUGAWA, Tadashi


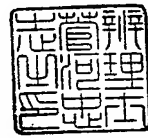
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<b>V</b>	<b>DESIGNATIONS</b>		
<b>V-1</b>	The filing of this request constitutes under Rule 4.9(a), the designation of all Contracting States bound by the PCT on the international filing date, for the grant of every kind of protection available and, where applicable, for the grant of both regional and national patents.		
<b>VI-1</b>	<b>Priority claim of earlier national application</b>		
VI-1-1	Filing date	22 October 2003 (22.10.2003)	
VI-1-2	Number	2003-362427	
VI-1-3	Country	JP	
<b>VI-2</b>	<b>Priority document request</b>		
	The receiving Office is requested to prepare and transmit to the International Bureau a certified copy of the earlier application(s) identified above as item(s):	VI-1	
<b>VII-1</b>	<b>International Searching Authority Chosen</b>	Japan Patent Office (ISA/JP)	
<b>VIII</b>	<b>Declarations</b>	Number of declarations	
VIII-1	Declaration as to the identity of the inventor	-	
VIII-2	Declaration as to the applicant's entitlement, as at the international filing date, to apply for and be granted a patent	-	
VIII-3	Declaration as to the applicant's entitlement, as at the international filing date, to claim the priority of the earlier application	-	
VIII-4	Declaration of inventorship (only for the purposes of the designation of the United States of America)	-	
VIII-5	Declaration as to non-prejudicial disclosures or exceptions to lack of novelty	-	
<b>IX</b>	<b>Check list</b>	number of sheets	electronic file(s) attached
IX-1	Request (including declaration sheets)	4	✓
IX-2	Description	21	-
IX-3	Claims	2	-
IX-4	Abstract	1	✓
IX-5	Drawings	4	-
IX-7	TOTAL	32	

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	Accompanying Items	paper document(s) attached	electronic file(s) attached
IX-8	Fee calculation sheet	✓	-
IX-17	PCT-SAFE physical media	-	✓
IX-18	other	revenue stamps as the submission fee and search fee	
IX-19	Figure of the drawings which should accompany the abstract	3	
IX-20	Language of filing of the international application	English	
X-1	Signature of applicant, agent or common representative		
X-1-1	Name (LAST, First)	UEKI, Kyuichi	
X-1-2	Name of signatory		
X-1-3	Capacity		
X-2	Signature of applicant, agent or common representative		
X-2-1	Name (LAST, First)	SUGAWA, Tadashi	
X-2-2	Name of signatory		
X-2-3	Capacity		

## FOR RECEIVING OFFICE USE ONLY

10-1	Date of actual receipt of the purported international application	
10-2	Drawings:	
10-2-1	Received	
10-2-2	Not received	
10-3	Corrected date of actual receipt due to later but timely received papers or drawings completing the purported international application	
10-4	Date of timely receipt of the required corrections under PCT Article 11(2)	
10-5	International Searching Authority	ISA/JP
10-6	Transmittal of search copy delayed until search fee is paid	

## FOR INTERNATIONAL BUREAU USE ONLY

11-1	Date of receipt of the record copy by the International Bureau	
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